

Title (en)

Optically active phosphate derivative and its use

Title (de)

Optisch-aktive Phosphatverbindung und deren Verwendung

Title (fr)

Dérivé phosphate optiquement actif et son emploi

Publication

**EP 1134209 A1 20010919 (EN)**

Application

**EP 01105920 A 20010309**

Priority

JP 2000073997 A 20000313

Abstract (en)

An optically active binaphthol derivative of the following formula (1) or (2), an optically active phosphate derivative of the following formula (3) or (4), processes for their production, and a chiral shift reagent comprising the derivative of the formula (3) or (4): <CHEM> <CHEM> <CHEM> <CHEM>

IPC 1-7

**C07C 39/14**; **C07C 37/18**; **C07F 9/6574**

IPC 8 full level

**C07C 39/14** (2006.01); **C07F 9/6574** (2006.01)

CPC (source: EP US)

**C07C 39/14** (2013.01 - EP US); **C07F 9/65744** (2013.01 - EP US); **C07C 2603/24** (2017.04 - EP US)

Citation (search report)

- [PA] EP 1038877 A1 20000927 - TOSOH CORP [JP]
- [A] DD 235251 A1 19860430 - ADW DDR [DD]
- [A] US 3848030 A 19741112 - VITERBO R, et al
- [DA] TODA F ET AL.: "New Chiral Shift Reagents, Optically Active 2,2'-Dihydroxy-1,1'-binaphthyl and 1,6-Di(o-chlorophenyl)-1,6-diphenylhexa-2,4-diyne-1,6-diol", CHEMISTRY LETTERS, vol. 1988, 1988, pages 131 - 134, XP001005242

Cited by

US7902207B2; US7517828B2; DE102005047341A1

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

**EP 1134209 A1 20010919**; **EP 1134209 B1 20030827**; DE 60100634 D1 20031002; DE 60100634 T2 20040624; US 2001031887 A1 20011018; US 6391926 B2 20020521

DOCDB simple family (application)

**EP 01105920 A 20010309**; DE 60100634 T 20010309; US 80104101 A 20010308